

CLAIMS

What is claimed is:

1. A method of scanning, comprising:

exposing, an array of photosensors, to light, a first time;  
transferring charges, from a block of photosensors in the array of  
photosensors, to a charge shift register, wherein the block comprises less  
than all the photosensors, and only the charges from the block are  
transferred;  
exposing, the array of photosensors, to light, a second time;  
transferring charges, from the block of photosensors in the array of  
photosensors, to the charge shift register, where only the charges from the  
block are transferred, so that charges from the block of photosensors, from  
more than one exposure, are multiplexed onto the charge shift register.

2. The method of claim 1, the steps of transferring charges further comprising:

transferring charges from a block of contiguous photosensors.

3. The method of claim 1, the steps of transferring charges further comprising:

transferring charges from alternate photosensors within a block of  
contiguous photosensors.

4. The method of claim 1, further comprising:

shifting charges, within the charge shift register, at a lower than normal shift  
rate.

5. A method of scanning, comprising:

exposing, an array of photosensors, to light, a first time;  
transferring charges, from a first block of photosensors in a first array of  
photosensors, to a charge shift register, wherein the block comprises less  
than all the photosensors, and only charges from the first block are  
transferred;  
transferring charges, from a second block of photosensors in a second array  
of photosensors, to the charge shift register, where only the charges from  
the second block are transferred, so that charges from blocks from more  
than one array of photosensors are multiplexed onto the charge shift register.

6. The method of claim 5, further comprising:

shifting charges, within the charge shift register, at a lower than normal shift  
rate.

7. A method of scanning, comprising:

transferring charges, from a block of photosensors in an array of  
photosensors, to a charge shift register, wherein the block comprises less  
than all the photosensors, and only the charges from the block are  
transferred;  
repeating the step of transferring charges until the charge shift register is  
filled with charges only from the block of photosensors.

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8. The method of claim 7, further comprising:

shifting charges, within the charge shift register, at a lower than normal shift  
rate.